INTERNATIONAL SEARCH REPORT

R2005/00014

		-R2	005/000014		
A. CLASS IPC 7	F04B39/00				
According t	o International Patent Classification (IPC) or to both national classif	ication and IPC			
	SEARCHED	callon and IPC	<u> </u>		
Minimum de IPC 7	ocumentation searched (classification system followed by classification $F04B$	ition symbols)			
Documenta	tion searched other than minimum documentation to the extent that	such documents are included in the field	is searched		
Electronic d	lata base consulted during the international search (name of data b	ase and, where practical, search terms t	used)		
EPO-In	ternal, WPI Data, PAJ				
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		7		
Category °	Citation of document, with indication, where appropriate, of the re	elevant passages	Relevant to claim No.		
х	PATENT ABSTRACTS OF JAPAN vol. 017, no. 447 (M-1464), 17 August 1993 (1993-08-17) -& JP 05 099141 A (MATSUSHITA RE LTD), 20 April 1993 (1993-04-20) abstract; figures 1,2	1-7			
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 163 (M-816), 19 April 1989 (1989-04-19) -& JP 01 003275 A (MATSUSHITA RE 9 January 1989 (1989-01-09) abstract; figures 1,2	1-3,5,6			
X	US 5 722 818 A (OHTA ET AL) 3 March 1998 (1998-03-03) column 4, line 53 - column 5, li figure 6	1-6,11			
		-/			
χ Furth	ner documents are listed in the continuation of box C.	Patent family members are list	ed in annex.		
*Special categories of cited documents: "It later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention					
filing da "L" documen which i cltation	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) Int referring to an oral disclosure, use, exhibition or	cannot be considered novel or car involve an inventive step when the "Y" document of particular relevance; the cannot be considered to involve a document is combined with one of	ument of particular relevance; the claimed invention not be considered novel or cannot be considered to obve an inventive step when the document is taken alone ument of particular relevance; the claimed invention not be considered to involve an inventive step when the cument is combined with one or more other such documits, such combination being obvious to a person skilled		
P docume	nt published prior to the International filling date but an the priority date claimed	in the art. "&" document member of the same pat	·		
	nctual completion of the international search	Date of mailing of the international			
2]	L April 2005	04/05/2005	05/2005		
Name and m	alling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer			
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	De Graaf, J.D.			

INTERNATIONAL SEARCH REPORT

BR2005/000014

C.(Continu	letion) DOCUMENTS CONSIDERED TO BE RELEVANT	. BK2005/000014		
Category °		Relevant to claim No.		
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 11, 26 December 1995 (1995-12-26) -& JP 07 208334 A (MATSUSHITA REFRIG CO LTD), 8 August 1995 (1995-08-08) abstract; figures 1,4-7	1-7,11		
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 163 (M-816), 19 April 1989 (1989-04-19) -& JP 01 003276 A (MATSUSHITA REFRIG CO), 9 January 1989 (1989-01-09) abstract; figures 1-3	1-6		
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 287 (M-844), 30 June 1989 (1989-06-30) -& JP 01 080781 A (MATSUSHITA REFRIG CO), 27 March 1989 (1989-03-27) abstract; figures 1-3	1-5		
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 257 (M-837), 14 June 1989 (1989-06-14) -& JP 01 060784 A (MATSUSHITA REFRIG CO), 7 March 1989 (1989-03-07) abstract; figures 1,2	1,2		
х	US 2002/098093 A1 (TOMELL PHILLIP A ET AL) 25 July 2002 (2002-07-25) figures 12,18a,18e	1,8,9		
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 161 (M-815), 18 April 1989 (1989-04-18) -& JP 64 000371 A (MATSUSHITA REFRIG CO), 5 January 1989 (1989-01-05) abstract; figures 1-3	1,2		
X	PATENT ABSTRACTS OF JAPAN vol. 012, no. 197 (M-706), 8 June 1988 (1988-06-08) -& JP 63 005187 A (MATSUSHITA REFRIG CO), 11 January 1988 (1988-01-11) abstract; figures 2,4	1		
f	US 5 733 106 A (LEE ET AL) 31 March 1998 (1998-03-31)			
4	US 5 950 307 A (LEE ET AL) 14 September 1999 (1999-09-14)			
1	US 5 584 674 A (MO ET AL) 17 December 1996 (1996-12-17)			

INTERNATIONAL SEARCH REPORT

iformation on patent family members

BR2005/000014

					,	
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
JP 05099141	Α	20-04-1993	NONE			
JP 01003275	Α	09-01-1989	JP	2624258	B2	25-06-1997
US 5722818	Α	03-03-1998	JP JP CN	3301895 9072280 1149671	Α	15-07-2002 18-03-1997 14-05-1997
JP 07208334 ·	Α	08-08-1995	NONE			
JP_01003276	Α	09-01-1989	NONE			
JP 01080781	Α	27-03-1989	NONE			
JP 01060784	Α	07-03-1989	NONE			
US 2002098093	A1	25-07-2002	US US	2003156955 2004223854		21-08-2003 11-11-2004
JP 64000371	Α	05-01-1989	NONE			
JP 63005187	A	11-01-1988	NONE			
US 5733106	A	31-03-1998	KR BR CN IT JP JP	175891 9603199 1142015 RM960535 2895795 9042151	A A,C A1 B2	01-10-1999 27-05-2003 05-02-1997 29-01-1998 24-05-1999 10-02-1997
US 5950307	A	14-09-1999	KR BR CN IT JP JP US	143142 9600950 1137098 RM960151 2944031 8247032 5762478	A A,C A1 B2 A	01-08-1998 30-12-1997 04-12-1996 08-09-1997 30-08-1999 24-09-1996 09-06-1998
US 5584674	Α	17-12-1996	IT JP KR KR	1272216 6307339 141490 146151	A Y1	16-06-1997 01-11-1994 15-05-1999 15-06-1999